



**HIGH BAR  
BRANDS**



## **Manufacturing Engineer**

### Job Description

<b>Title</b>	Manufacturing Engineer
<b>Department(s)</b>	Manufacturing
<b>Reports to</b>	Operations Manager
<b>FLSA status:</b>	Exempt
<b>Supervisor:</b>	No
<b>Last Updated</b>	8/25/2021

### **Job summary**

The position will perform activities generally related to continuous improvement efforts and new product commercialization, and other tasks and duties assigned by the Minimizer leadership. The position is the first line of communication, troubleshooting, and resolution to manufacturing issues. The position assists the R&D with new product development projects, and product enhancements/improvements. The position will spend time researching new manufacturing methods, new materials, products, etc.

The position must become proficient programming robotics, CNC equipment, PLC machine programming, and general process improvements including value stream analysis. The person in the position must be able champion problem solving for all aspects of manufacturing.

### **Essential Duties and Responsibilities:**

- Identify and troubleshoot processes, materials, or equipment problems to minimize down time and recommend solutions to prevent future issues.
- Develop, assemble, procure or modify existing and new tooling, fixtures, and equipment to ensure efficient production methods.
- Create CNC programs for manufacturing equipment such as but not limited to router tables, robotic routers, etc. Some off hours will be needed for programming.
- Create and maintain programs, including back-ups, for all required equipment.
- Create and manage manufacturing methods and procedures, including documentation of best practice / standard work instructions.
- Complete time studies to quantify processing times and identify areas for process improvements.
- Assist with hands on training of manufacturing employees on new products, tooling, equipment and process revisions.
- Schedule, complete, and document routine maintenance on applicable manufacturing and test equipment as support to Maintenance.
- Read schematics, assembly drawings, data sheets, and process sheets to perform testing, build fixtures, checkout and trouble-shoot equipment.



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- Assist in failure analysis, troubleshooting, rework/repair of non-conforming manufactured product to determine root cause.
- Perform tests, gather data, and write results/reports pertaining to manufacturing related topics (i.e. efficiency, productivity, etc.).
- Promote and support Lean Manufacturing and Continuous Improvement activities in all manufacturing areas.
- Installs and validates equipment and processes in the manufacturing area to improve yield and/or reduce cycle time following the established validation procedures.
- Lead improvement initiatives, including hands-on completion of projects.
- Comply with policies, guidelines and regulatory requirements per Minimizer Standards and Systems.
- Work with Product Development Engineers on new product installs, testing and validation.

### **Minimum requirements**

- Bachelor Degree in Manufacturing Engineering  
OR - given equal consideration
- Technical Associate Degree with 3 years of relevant experience
- Strong troubleshooting, problem correction and prevention (CAPA) skills
- Strong computer proficiency with various programming software including Robotics programming, CNC-NC programming, understanding of PLC programs, and basic knowledge of CAD and print reading
- Proficient measuring down to .001 inches using the proper inspection equipment
- Thermoforming, or other plastics processing, beneficial

### **Job Knowledge, Skills, Abilities**

- Excellent attention to detail and safety
- Good time management and self-management skills
- Exceptional interpersonal, oral, presentation and written communication skills
- High level of mathematical and analytical skills
- Excellent organizational and multi-tasking skills
- Focus on continuous improvement of people, processes and equipment
- Understanding of manufacturing management (planning, economic drivers, etc.) beneficial

### **Disclaimer**

The above statements are intended to describe the general nature and level of work being performed by people assigned to this classification. They are not to be construed as an exclusive list of all responsibilities, duties, and skills required of personnel so classified. All personnel may be required to perform duties outside of their normal responsibilities from time to time, as needed.